

**ROHDE & SCHWARZ**

Make ideas real



# AUTOMATIC DRONE IDENTIFICATION SOLUTION



# COMPACT AND FLEXIBLE DETECTION OF REMOTE CONTROLLED DRONES

The ARDRONIS Detect solution provides immediate notification of the presence of radio signals from commercial drones. By comparing measured RC drone signals with an extensive library of drone profiles, the solution provides reliable early warning of any threats in the coverage area. It detects FHSS signals (remote control, telemetry) as well as analog and digital video signals.

#### Benefits:

- ▶ Fully automatic high-speed detection, classification and identification of drone & remote-control type
- ▶ Early warning while drone is still grounded
- ▶ Compact design enables flexible deployment and quick system setup
- ▶ Successful operation with minimal training

#### Displayed system based on:

- ▶ R&S®UMS400 wideband monitoring receiver
- ▶ R&S®HE600 omnidirectional wideband antenna



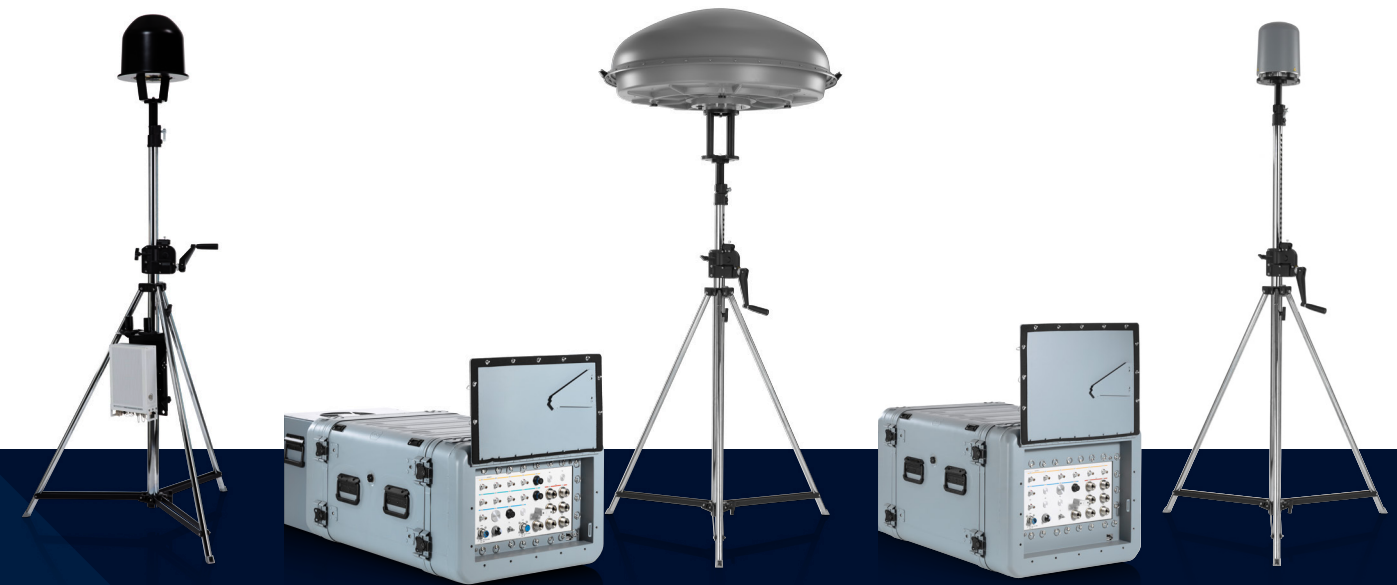
ARDRONIS Detect  
▶ detect / identify

#### Features:

- ▶ **Detection and identification:** ARDRONIS Detect is designed to detect and identify signals from commercially available drones, remote controls and telemetry downlinks (FHSS signals, analog and digital video signals).
- ▶ **Early warning:** Early warning is the key to countering any threat. ARDRONIS Detect can sense radio signals even before drones take off. Early warning alone often ensures an effective response such as pilot interception.
- ▶ **Quick setup:** ARDRONIS Detect is relatively small, compact and can be set up quickly. For portable use, a transport case with a compartment for the ARDRONIS Detect system (antenna, receiver, notebook and accessories) is included.

- ▶ **Easy operation:** ARDRONIS Detect can be operated with minimal training. When a signal is classified as a threat, the operator is immediately alerted via the user interface or custom configured alarms.
- ▶ **Future-ready:** The solution supports future software upgrades and optional add-ons, including Wi-Fi drone detection and decoding functionalities. The signal database is frequently updated with service packs.
- ▶ **Open interface:** An open interface enables integration into multivendor and multisensor solutions, making ARDRONIS particularly attractive to system integrators. For interconnection of remote sensors, ARDRONIS Detect offers 3G and 4G connectivity.

## The complete ARDRONIS family



ARDRONIS Locate Compact  
▶ detect / identify  
▶ locate / track drone

ARDRONIS Locate Advanced  
▶ detect / identify  
▶ locate / track drone and pilot

ARDRONIS Effect  
▶ detect / identify  
▶ disruption

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Automatic drone identification solution

Data without tolerance limits is not binding | Subject to change

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